

U.S. Patent Application Serial No. 10/524,635
Amendment filed May 8, 2007
Reply to OA dated February 14, 2007

AMENDMENTS TO THE CLAIMS:

Please cancel claims 4 and 5 without prejudice or disclaimer, and amend claims 1, 2, 3 and 6, as follows. This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Currently amended): A heat shielding material for use in an agricultural and horticultural facility comprising: a heat shielding layer comprising a base resin; and a heat shielding filler in the form of microparticles ~~dispersed~~ kneaded in the base resin; ~~[[,]]~~ the heat shielding layer having been formed like a single film or board,

wherein the base resin in the heat shielding layer is fluorine type resin; the heat shielding filler is at least one selected from lanthanum hexaboride and antimony-doped tin oxide; and the heat shielding filler is present in the heat shielding layer in a content set within the range of 0.01 to 1 g/m² in the case of lanthanum hexaboride and within the range of 1.0 to 50 g/m² in the case of antimony-doped tin oxide.

Claim 2 (Currently amended): A heat shielding material for use in an agricultural and horticultural facility according to Claim 1 or 6, having a visible light transmittance in the range of 30 to 90%, and a solar radiation transmittance in the range of 10 to 80%.

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Claim 3 (Currently amended): A heat shielding material for use in an agricultural and horticultural facility according to Claim 1 or 6, having a light transmittance in the range of 5 to 80% at a wavelength of 320 nm in an ultraviolet region, and a light transmittance in the range of 0 to 70% at a wavelength of 290 nm in an ultraviolet region.

Claim 4 (Canceled):

Claim 5 (Canceled):

Claim 6 (Currently amended): A heat shielding material for use in an agricultural and horticultural facility ~~according to Claim 1, 2 or 3, comprising: a heat shielding layer comprising a~~ base resin; and a heat shielding filler in the form of microparticles kneaded in the base resin, the heat ~~shielding layer having been formed like a single film or board and having a film- or board-like form~~ consisting of the heat shielding layer, a form in which the heat shielding layer has ~~having been~~ laminated on ~~one~~ the surface of a film- or board-like matrix material, or ~~a form in which the heat~~ shielding layer has been interposed between two such matrix materials,

wherein the base resin in the heat shielding layer is fluorine type resin; the heat shielding filler is at least one selected from lanthanum hexaboride and antimony-doped tin oxide; and the heat shielding filler is present in the heat shielding layer in a content set within the range of 0.01 to 1 g/m²

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in the case of lanthanum hexaboride and within the range of 1.0 to 50 g/m² in the case of antimony-
doped tin oxide.